

2625

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application No.	09/823,733
		Filing Date	March 30, 2001
		First Named Inventor	Edward L. Schwartz
		Art Unit	2625
		Examiner Name	Yubin Hung
Total Number of Pages in This Submission	31	Attorney Docket Number	74451P126

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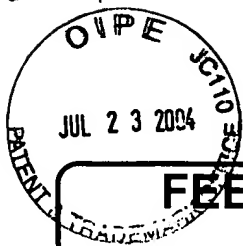
JUL 27 2004

Technology Center 2600

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> PTO/SB/08  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">- Transmittal of Formal Drawings - Return postcard</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Michael J. Mallie, Reg. No. 36,591 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	7/20/04

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name		Debra L. Riggio	
Signature		Date	July 20, 2004



# FEE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

## Complete if Known

Application Number	09/823,733
Filing Date	March 30, 2001
First Named Inventor	Edward L. Schwartz
Examiner Name	Yubin Hung
Art Unit	2625
Attorney Docket No.	74451P126

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None  
☒ Deposit Account

Deposit  
Account  
Number

02-2666

Deposit  
Account  
Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

### 2. EXTRA CLAIM FEES

Total Claims  - 110\*\* =  X  =   
Independent Claims  - 16 =  X  =   
Multiple Dependent

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple Dependent claim, if not paid	
1204	86	2204	43	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

\*\*or number previously paid, if greater, For Reissues, see below

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1404	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	1809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type) Michael J. Mallie

Registration No.  
(Attorney/Agent)

36,591

Telephone

(408) 720-8300

Signature

Date

7/20/04



DOCKET NO.: 74451P126

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

EDWARD L. SCHWARTZ, ET AL.

Application No.: 09/823,733

Filed: March 30, 2001

For: **CONTEXT MODEL ACCESS TO  
MEMORY BASED ON RUN AND SKIP  
COUNTS AND CONTEXT MODEL  
SKIPPING**

Art Group: 2625

Examiner: Yubin Hung

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**TRANSMITTAL OF FORMAL DRAWINGS**


Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 26 sheets including 37 Figures. Please charge any additional fees or credit any overpayment to Deposit Account No. 02-2666. A duplicate copy of the Fee Transmittal is enclosed for this purpose.

Respectfully submitted,

Blakely, Sokoloff, Taylor & Zafman LLP


Dated: 7/20/04

  
Michael J. Mallie, Reg. No. 36,591

12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (408) 720-8300

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Debra L. Riggio

7/20/04  
07/20/04

Date



RECONSTRUCTED AND RENDERED IMAGE

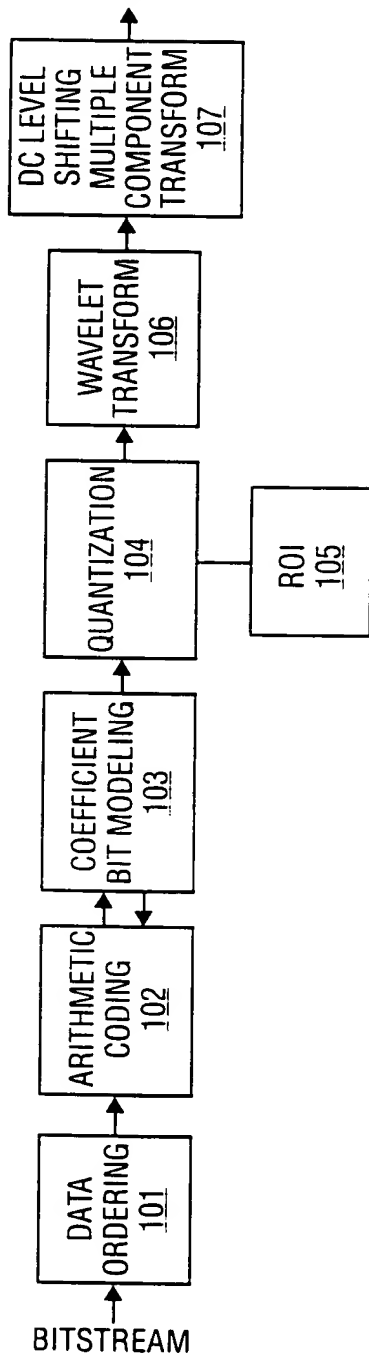


FIG. 1



SP 0	SP 4	C 8	C 12	C 16	C 20	C 24	C 28
R 1	SP 5	C 9	C 13	C 17	C 21	C 25	C 29
R 2	SP 6	SP 10	SP 14	SP 18	C 22	C 26	C 30
SP 3	SP 7	R 11	R 15	SP 19	C 23	C 27	C 31
C 32	SP 36	SP 40	SP 44	SP 48	C 52	C 56	C 60
C 33	C 37	C 41	C 45	C 49	C 53	C 57	C 61
C 34	C 38	C 42	C 46	C 50	C 54	C 58	C 62
C 25	C 39	C 43	C 47	C 51	C 55	C 59	C 63

FIG. 2A

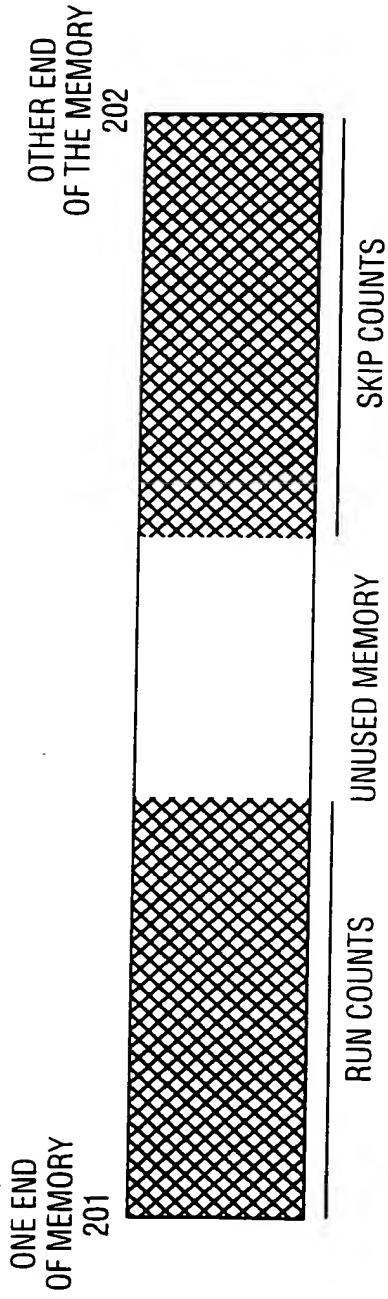


FIG. 2B

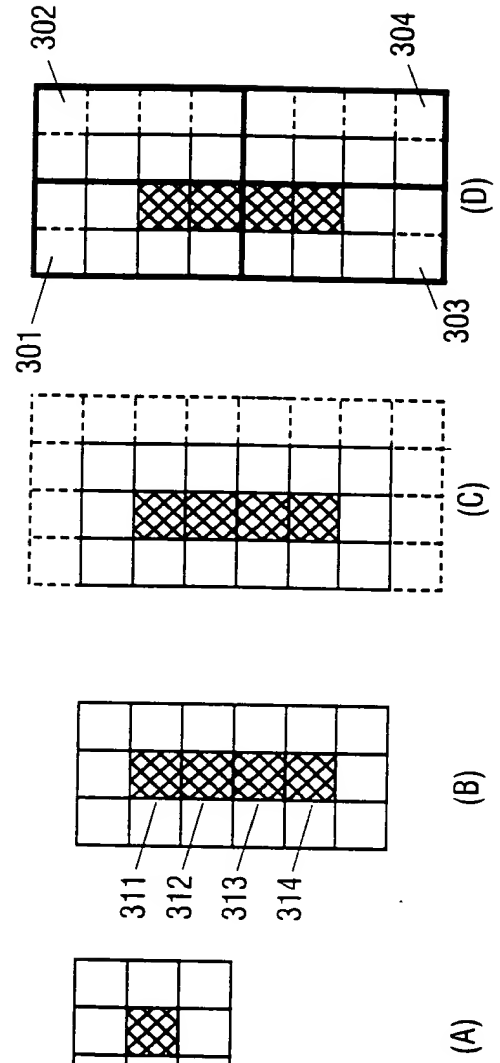
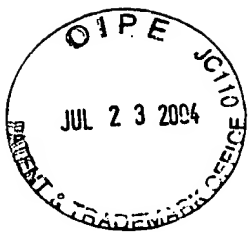


FIG. 3



	0	1	2	3	4	5	6	7
0	A	B	A	B	A	B	A	B
1	C	D	C	D	C	D	C	D
2	A	B	A	B	A	B	A	B
3	C	D	C	D	C	D	C	D
0	A	B	A	B	A	B	A	B

FIG. 4

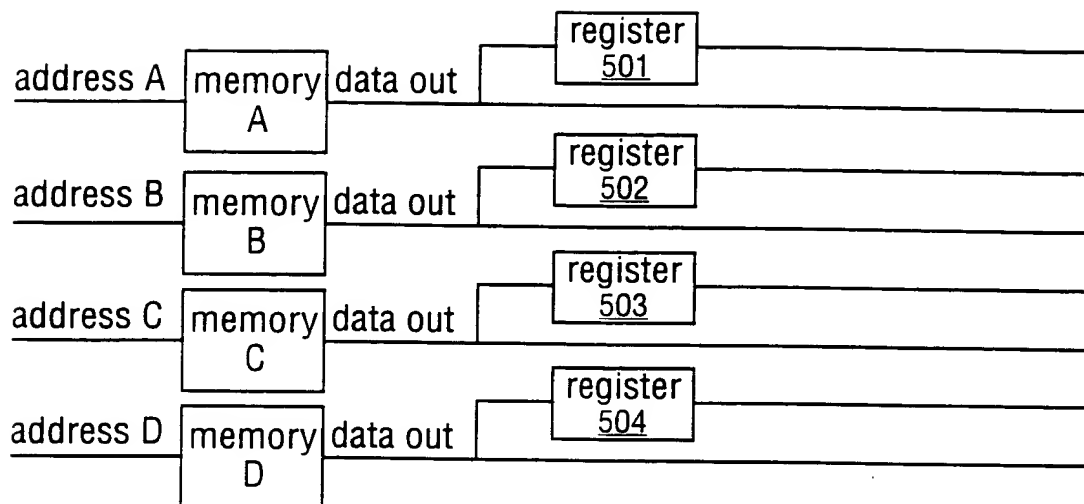


FIG. 5

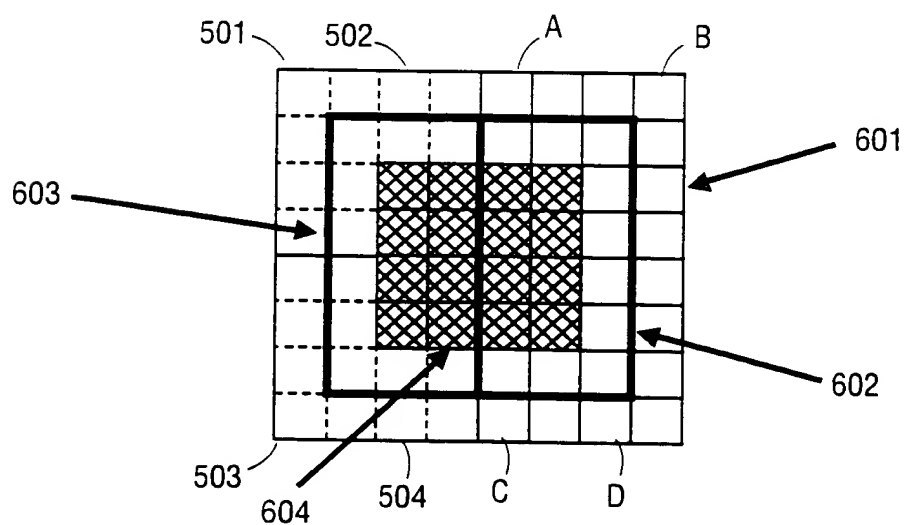


FIG. 6



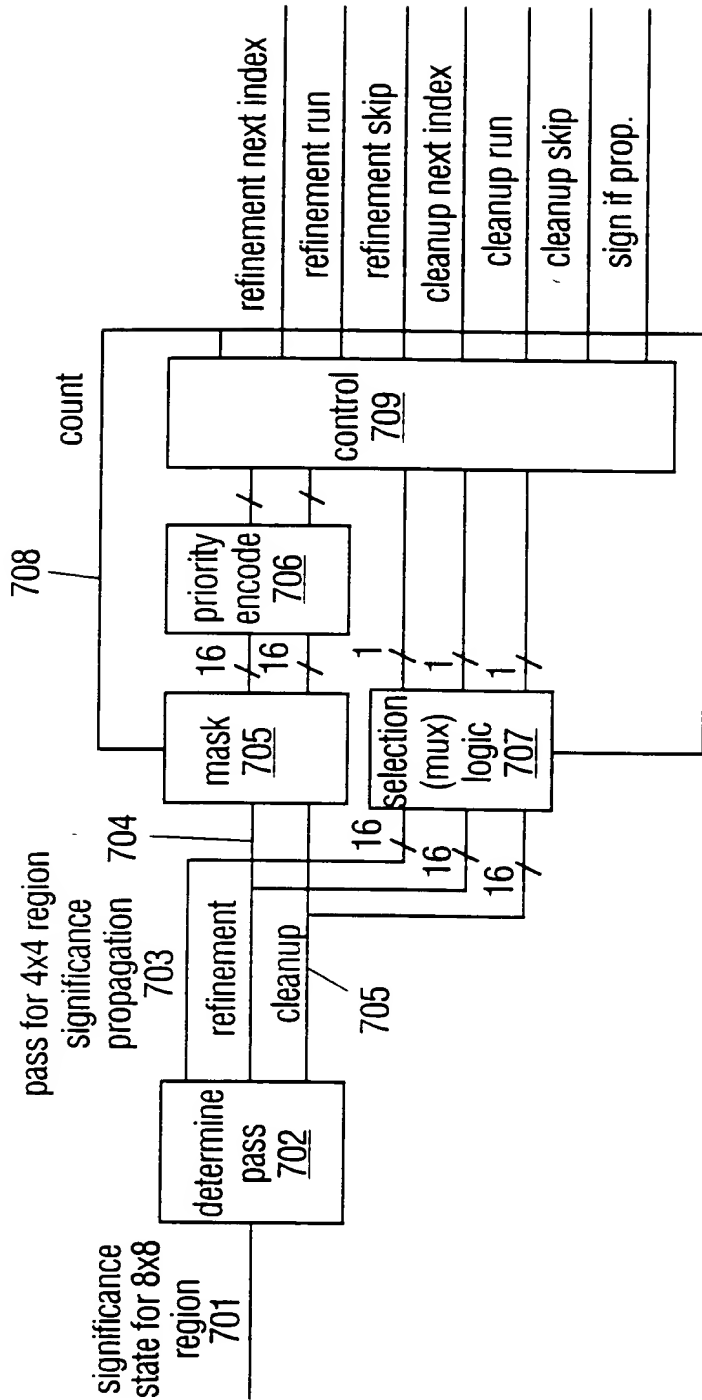


FIG. 7

SP	SP	SP	SP
C	C	C	C
SP	SP	SP	SP
SP	R	R	SP

SP = significance propagation  
 C = cleanup  
 R = refinement

SP pass: 10\*2 for SP pass coefficients  
           6 for C and R pass coefficients  
 C pass: 4\*2 for C pass coefficients  
 R pass: 2 for R pass

total: 36 clocks = 2.25 clocks per coefficient

FIG. 8



	0	1	2	3
0	A	A	A	A
1	B	B	B	B
2	A	A	A	A
3	B	B	B	B
0	A	A	A	A

FIG. 9

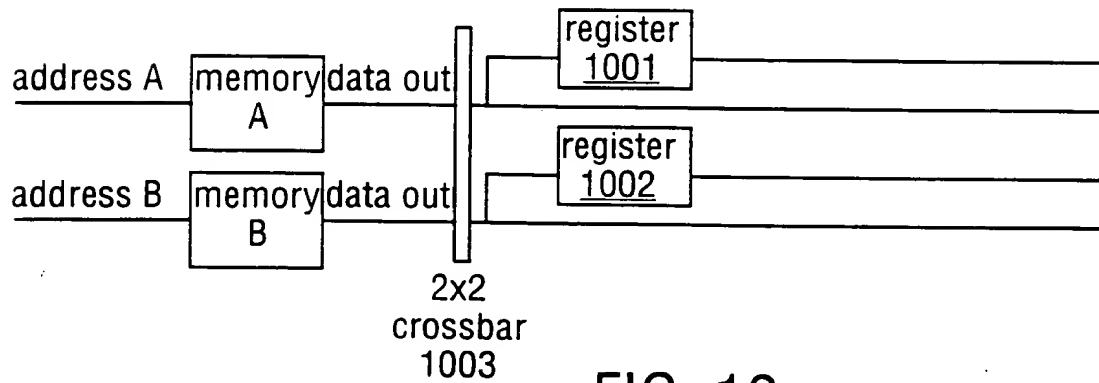


FIG. 10

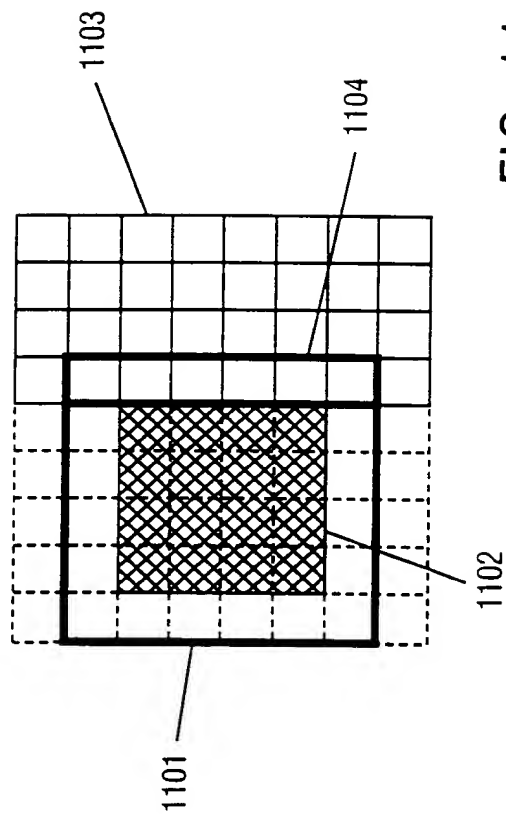


FIG. 11

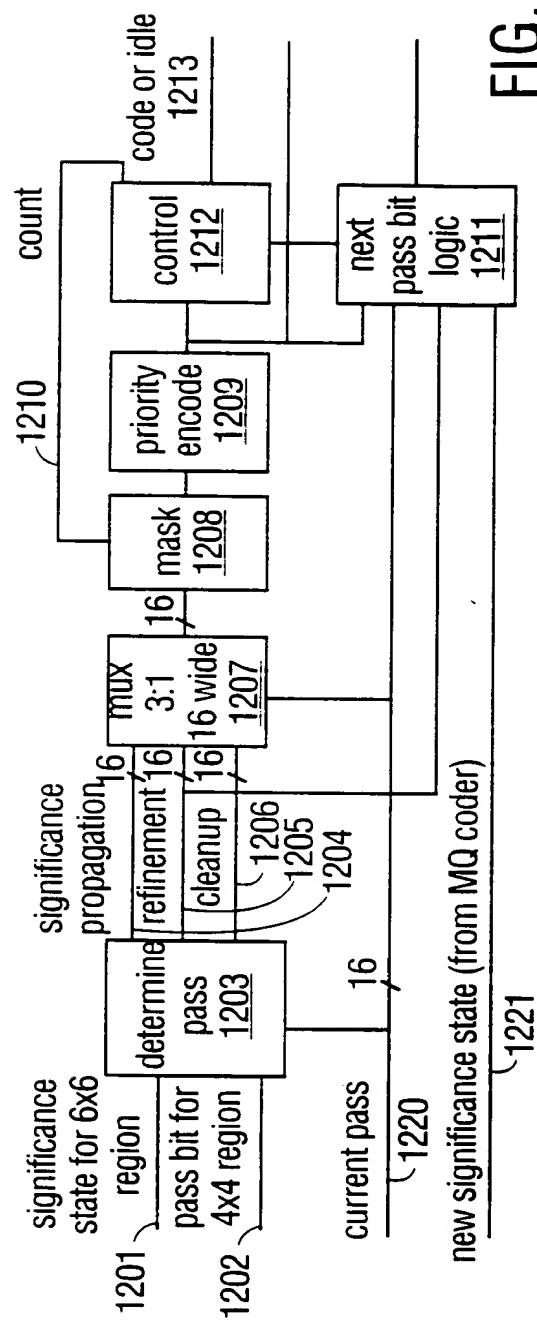


FIG. 12

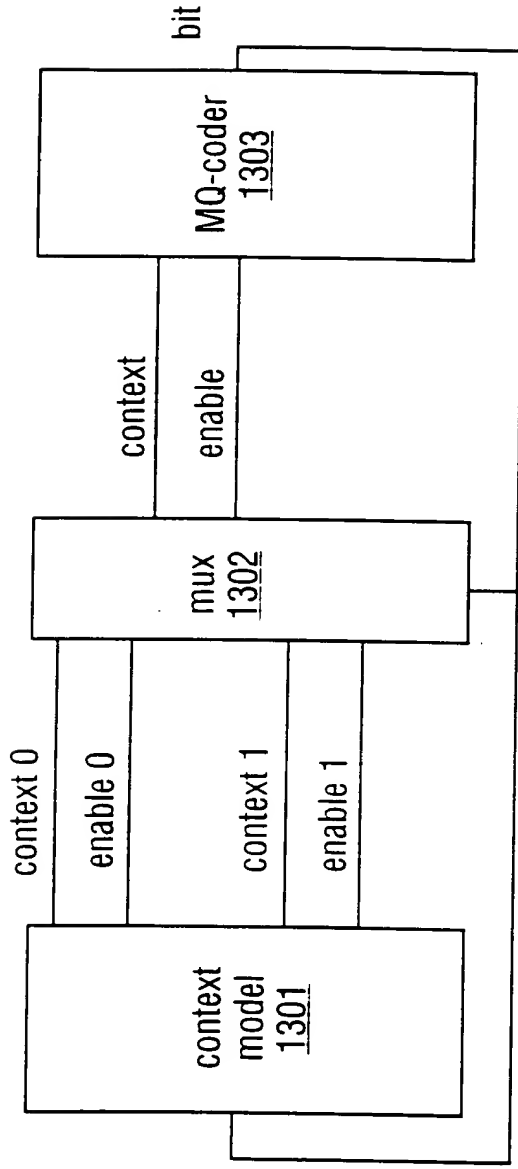


FIG. 13

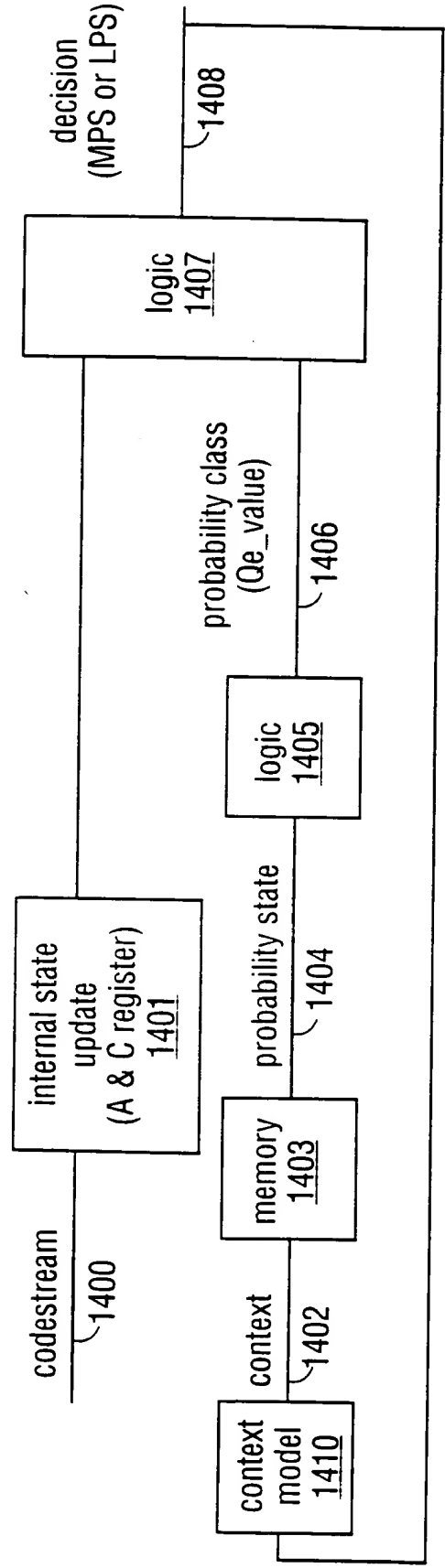


FIG. 14A

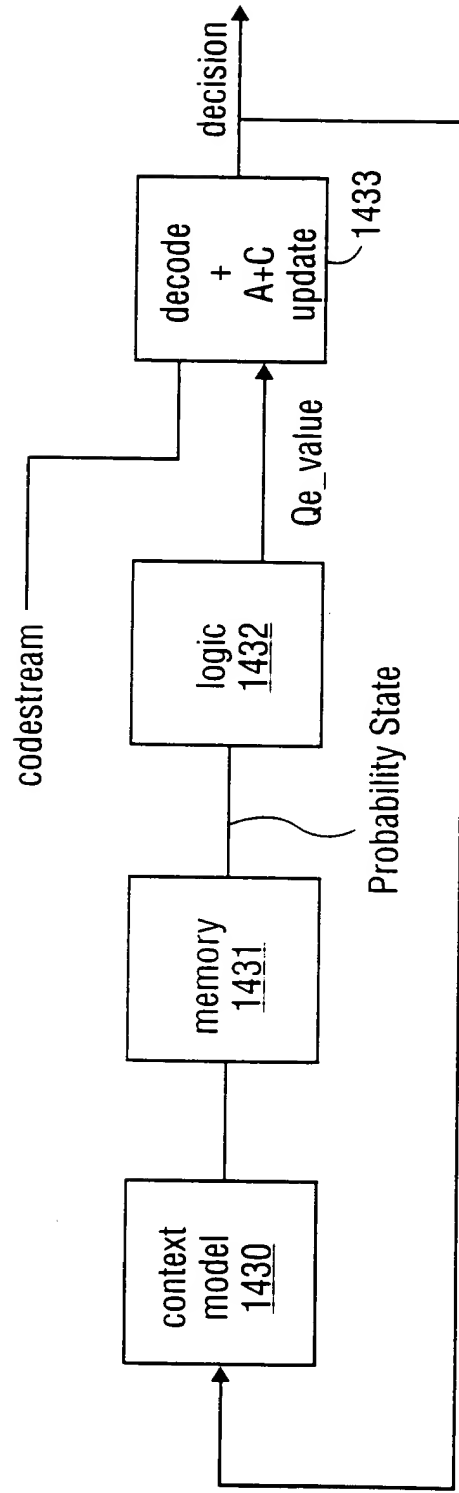


FIG. 14B

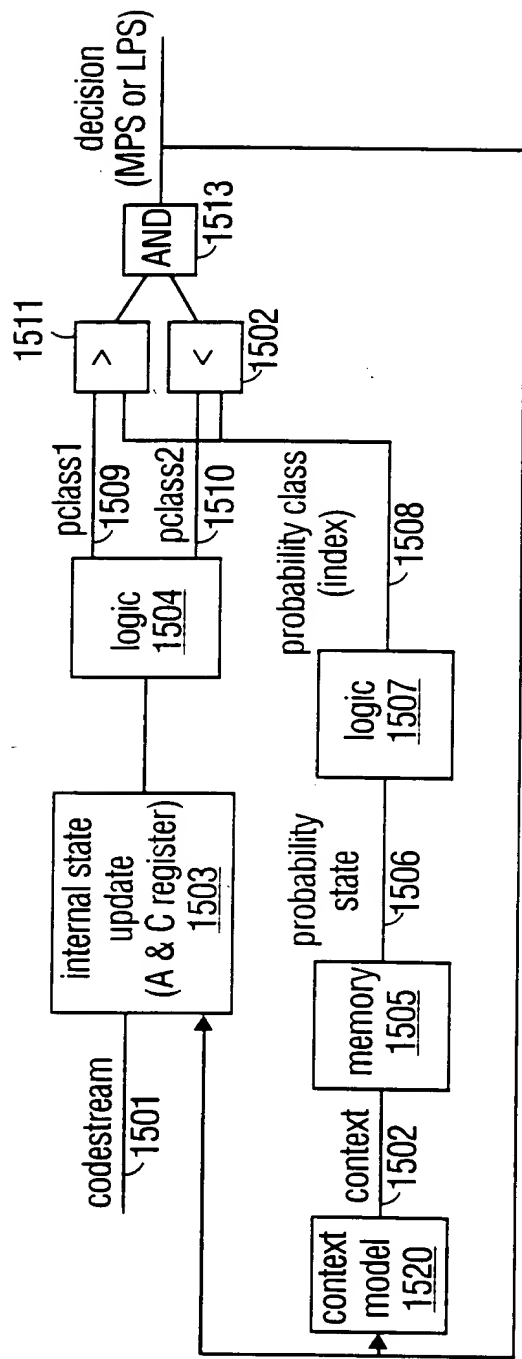
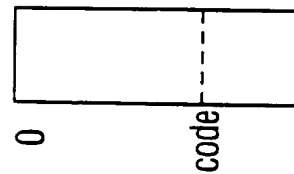


FIG. 15



known state

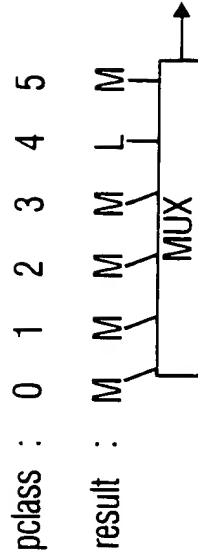
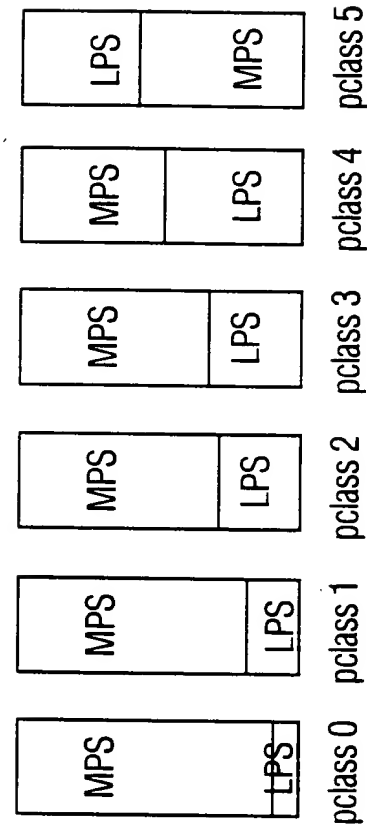


FIG. 16B

FIG. 16A



5MPS
4 MPS
3 MPS
2 MPS
1 MPS
LPS

FIG. 17

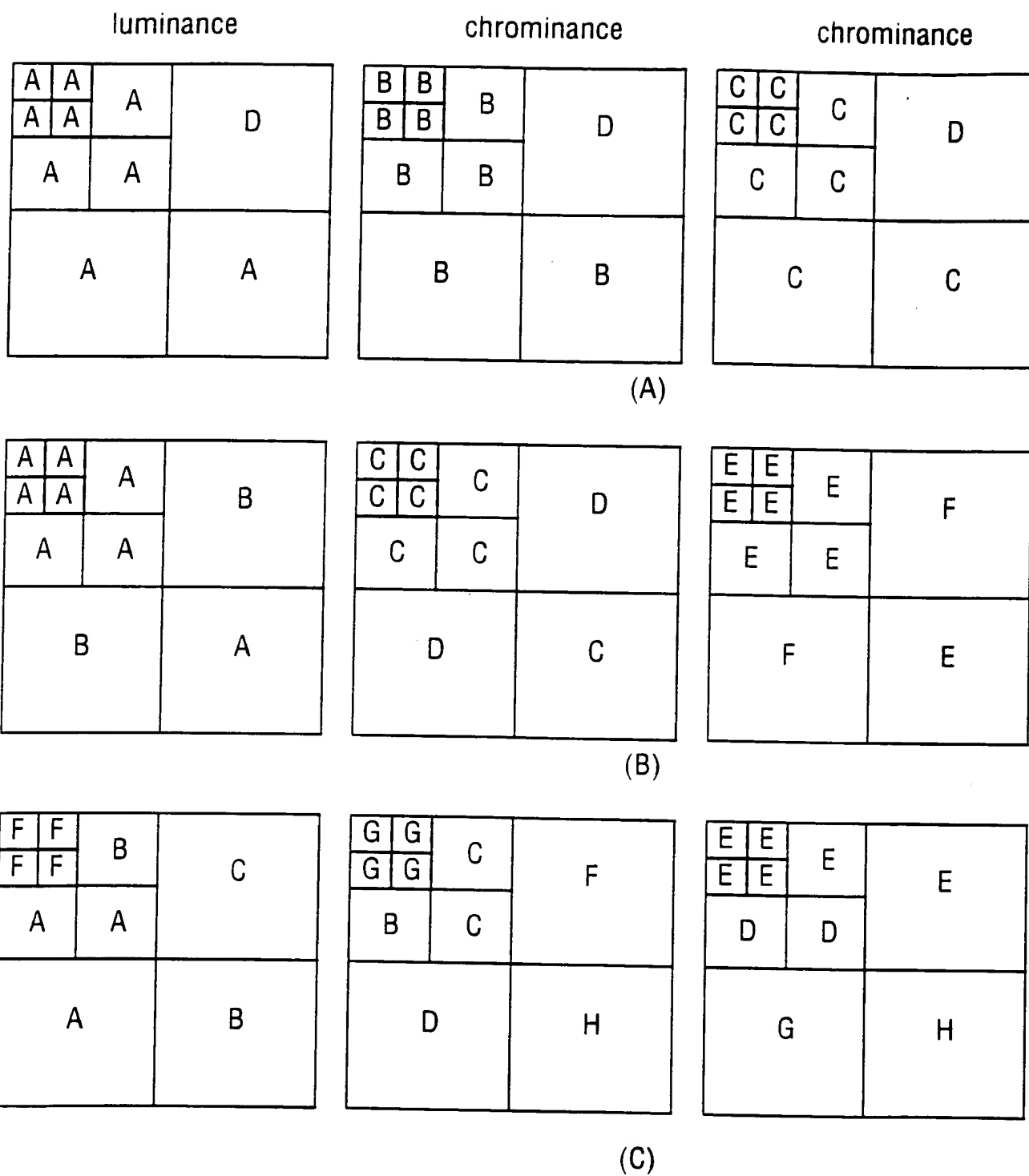
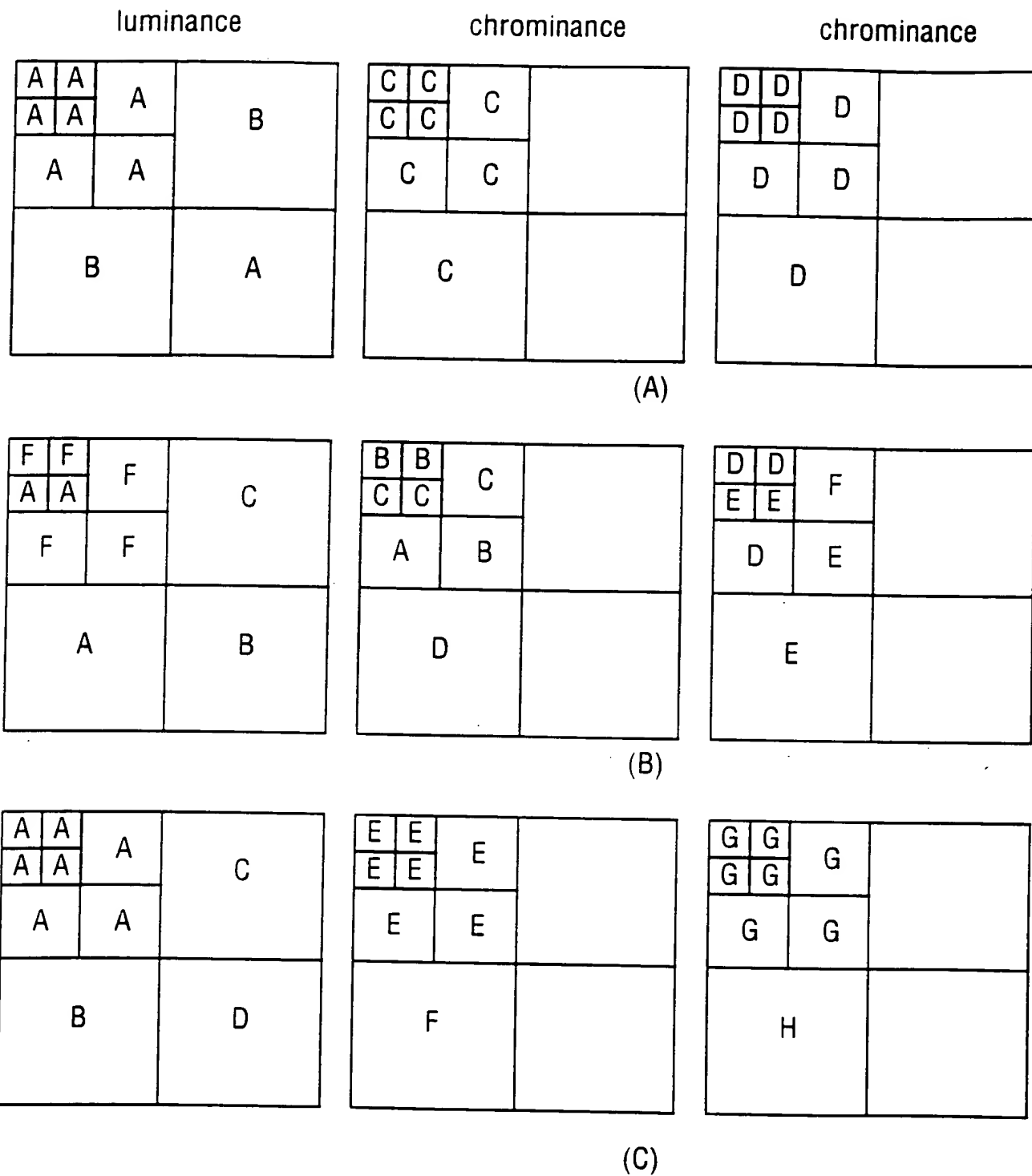
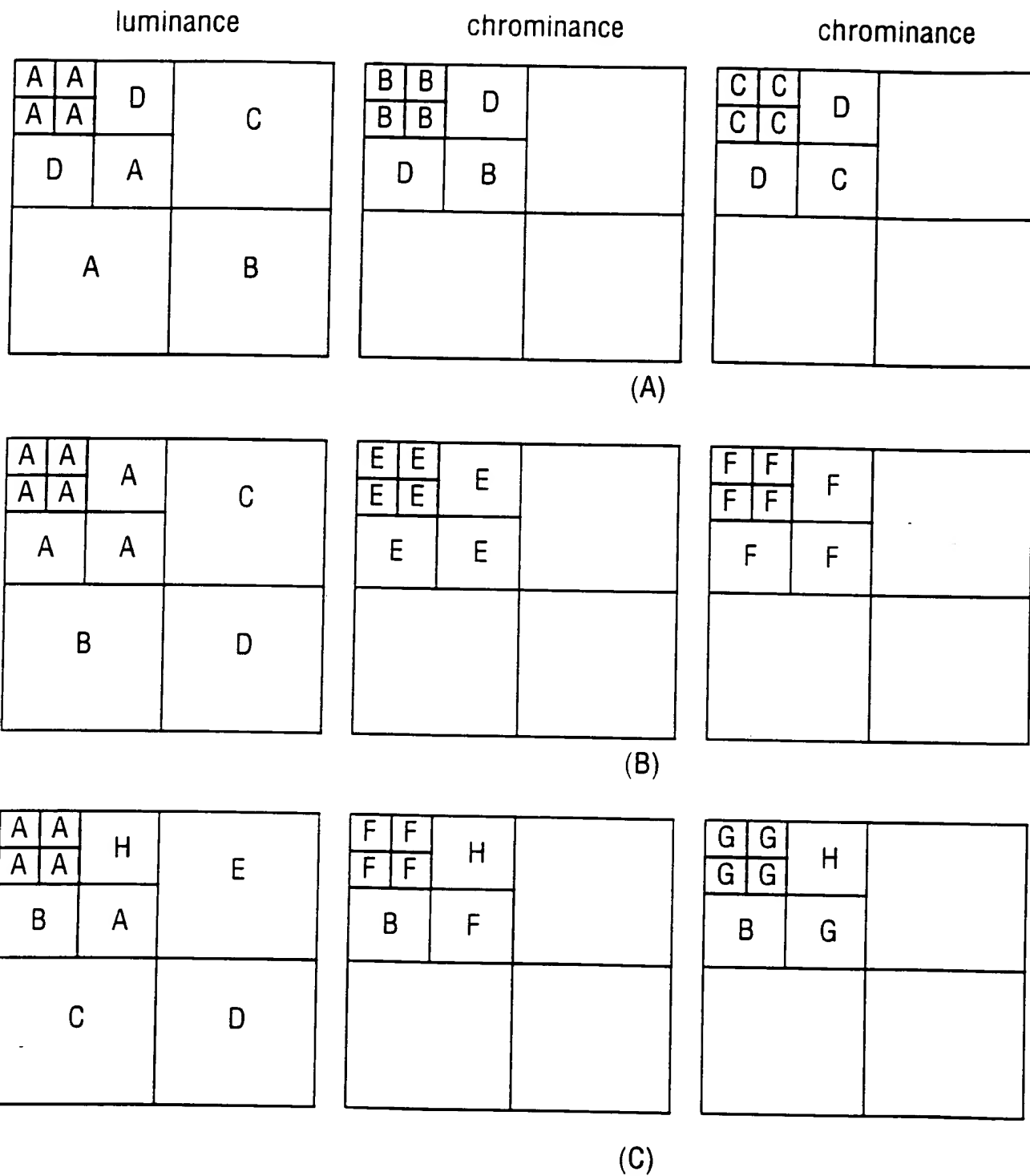


FIG. 18







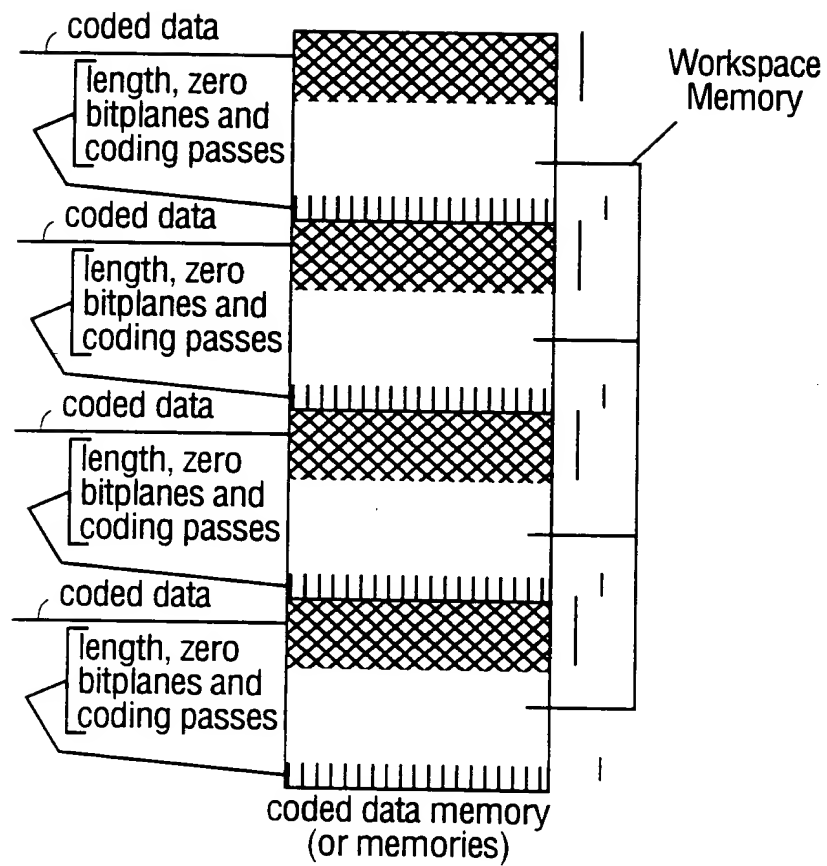


FIG. 21

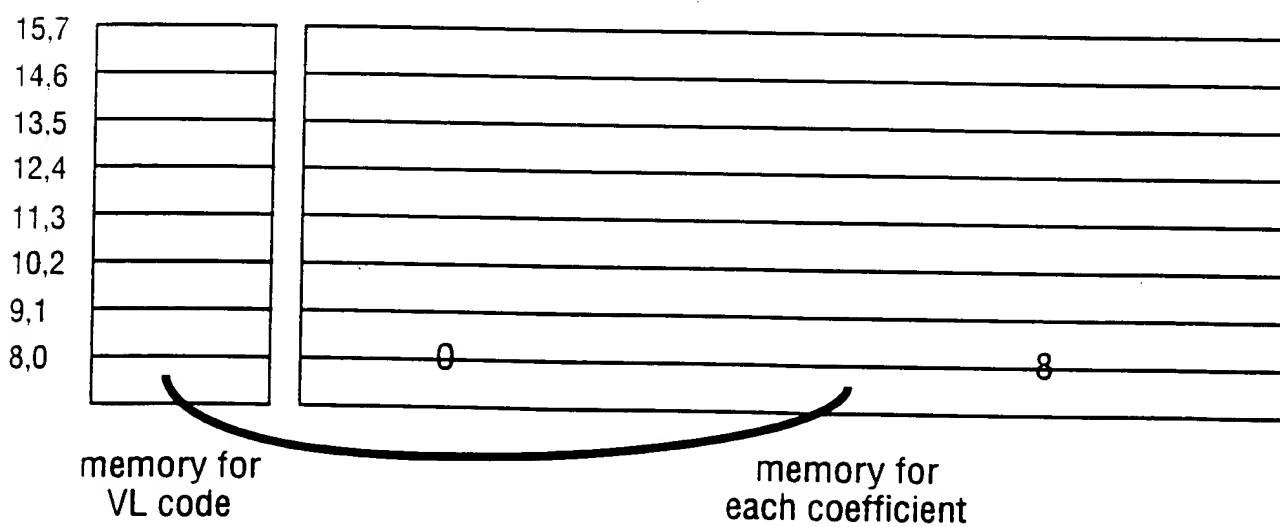
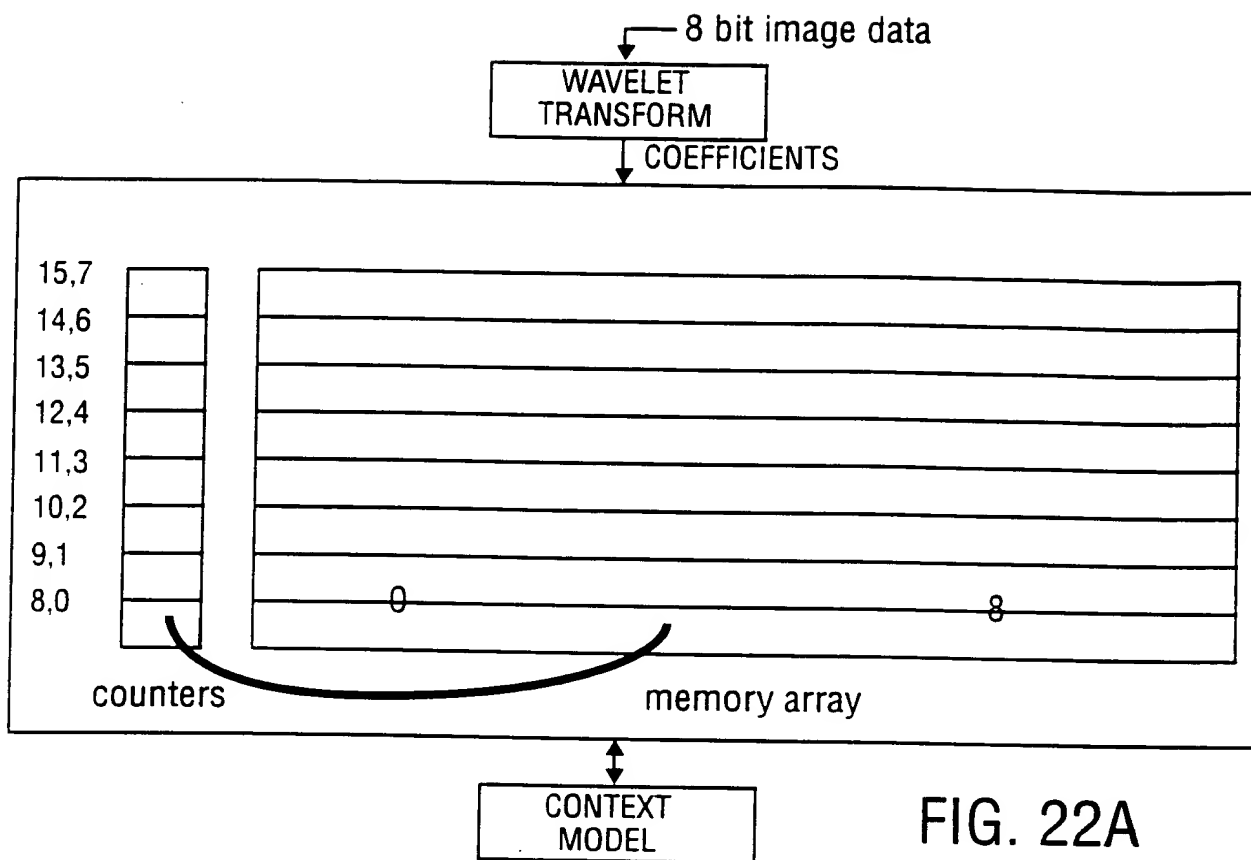


FIG. 23

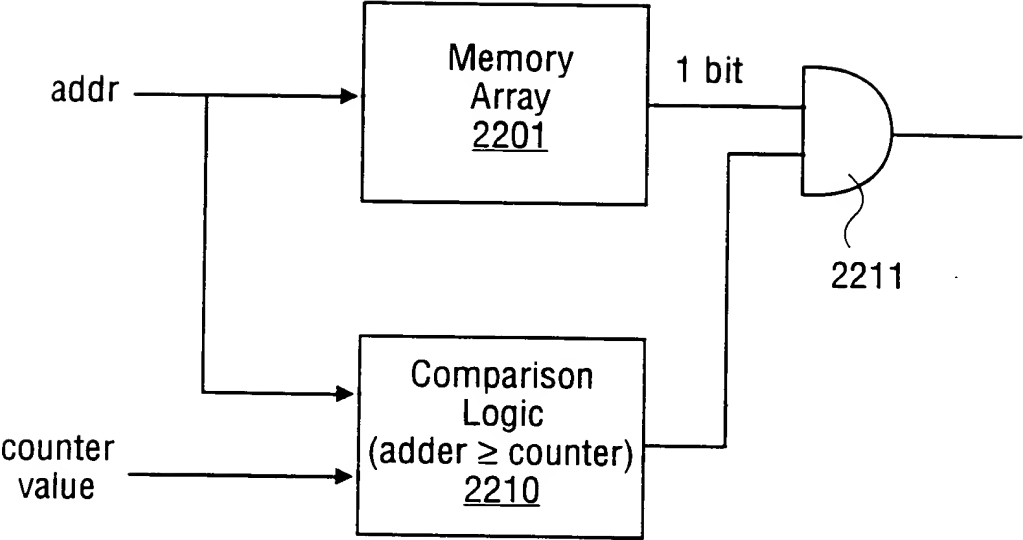


FIG. 22B



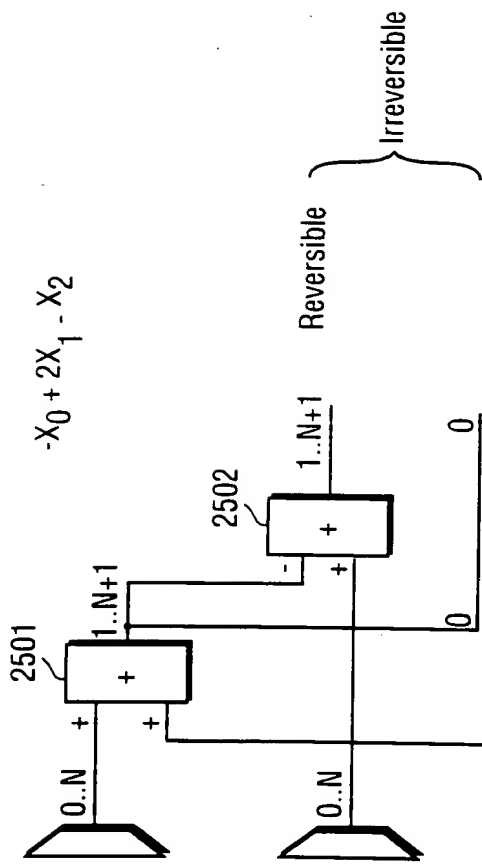


FIG. 25A

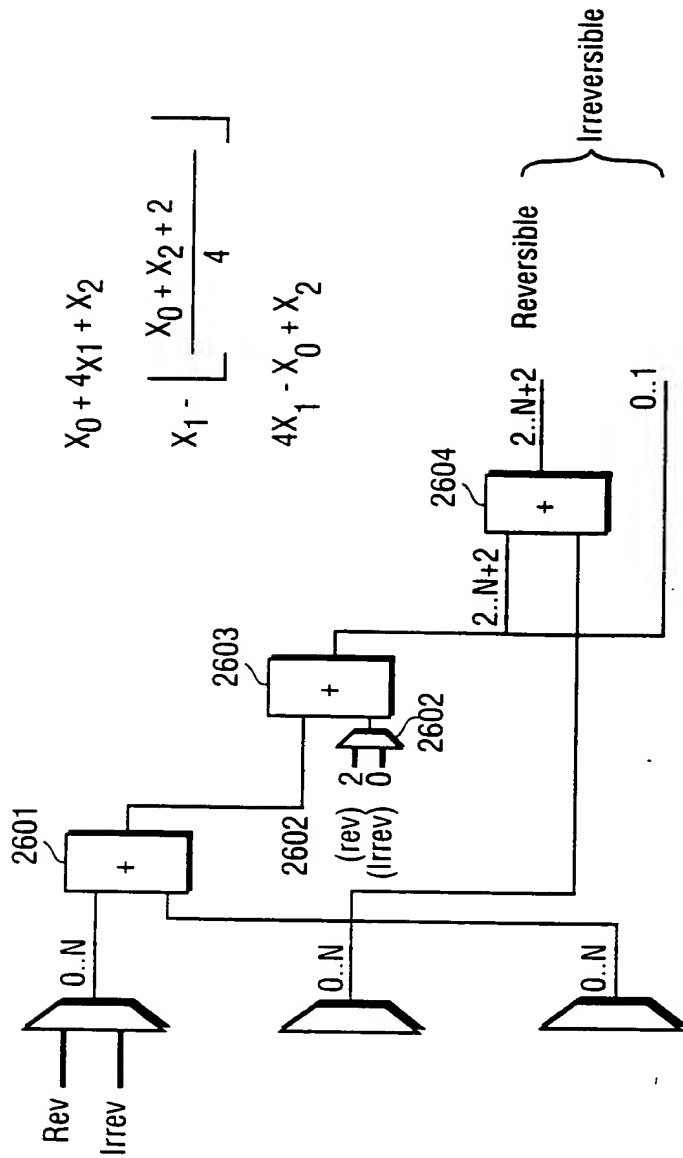


FIG. 26A

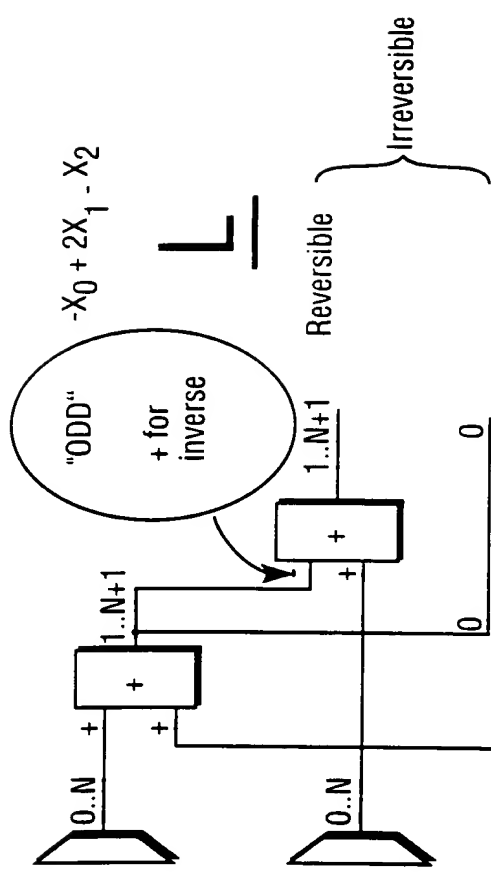


FIG. 25B

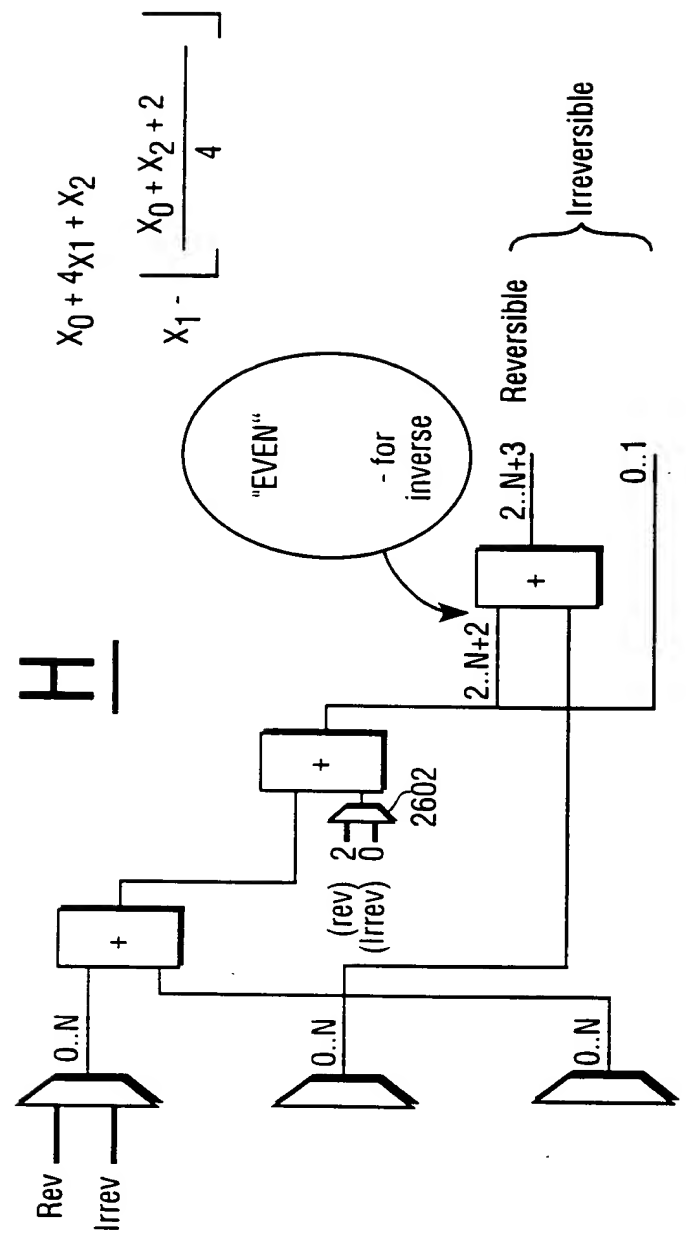


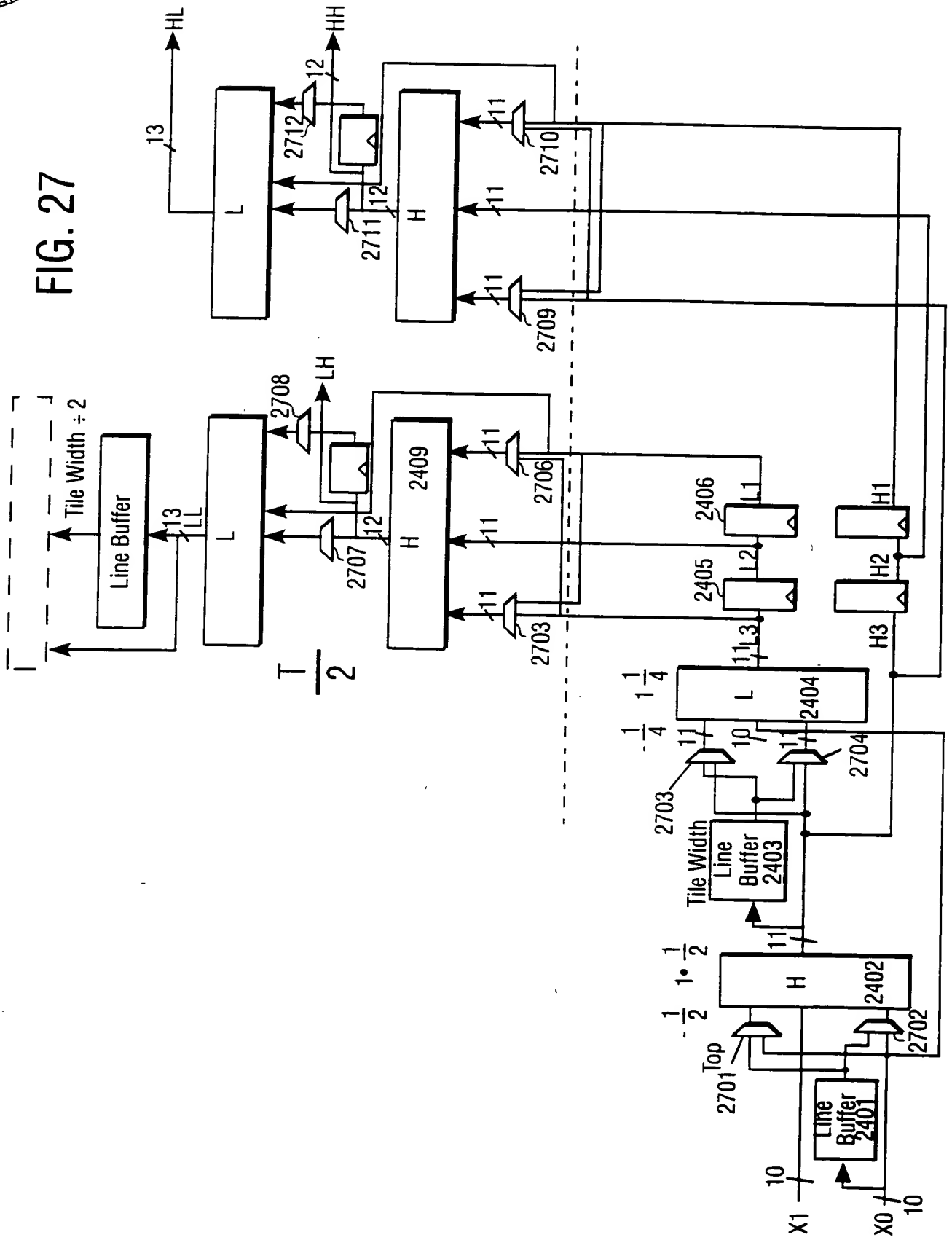
FIG. 26B

$$X_0 + 4X_1 + X_2$$

$$X_1 - \left[ \frac{X_0 + X_2 + 2}{4} \right]$$



FIG. 27



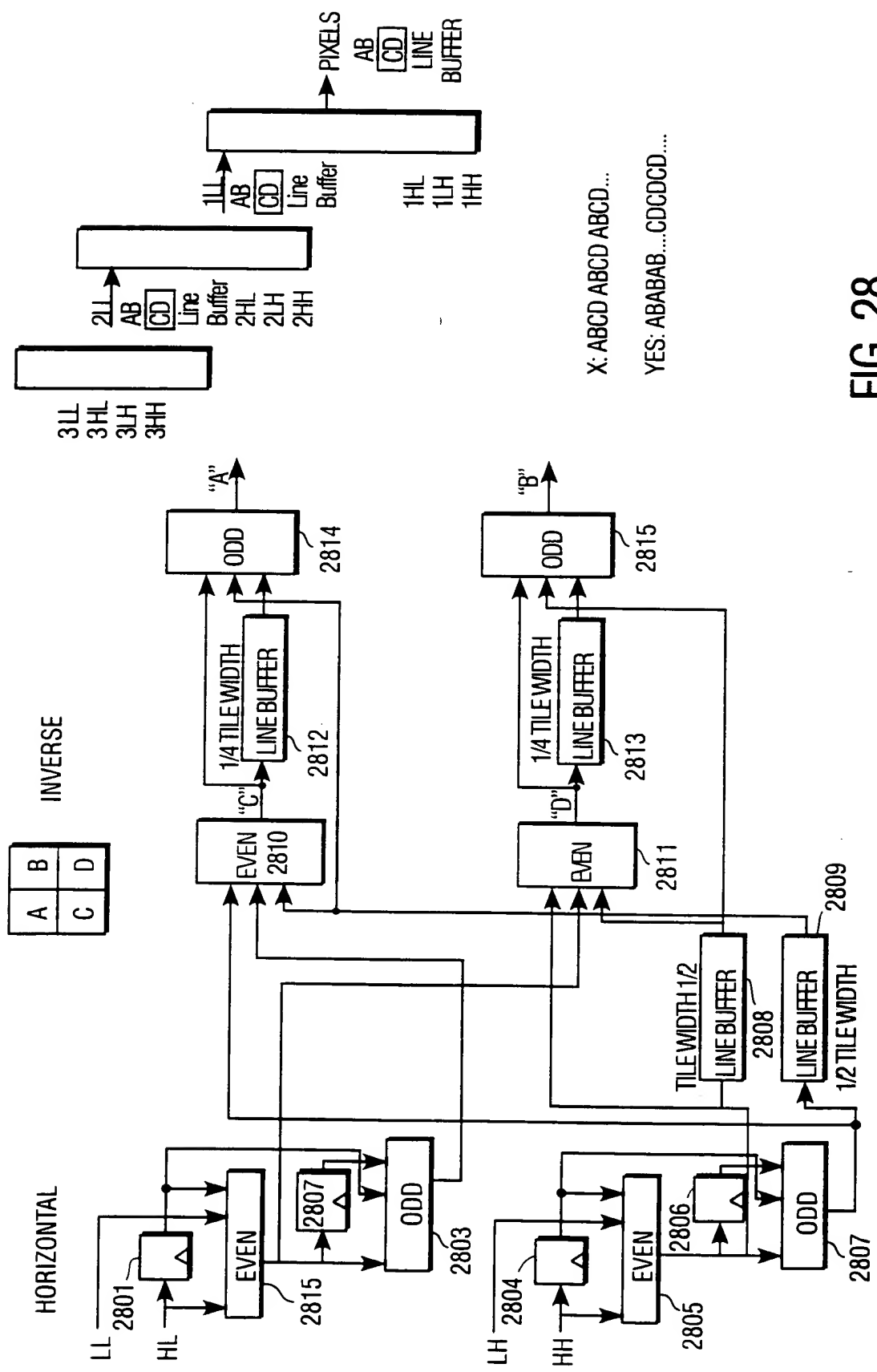


FIG. 28

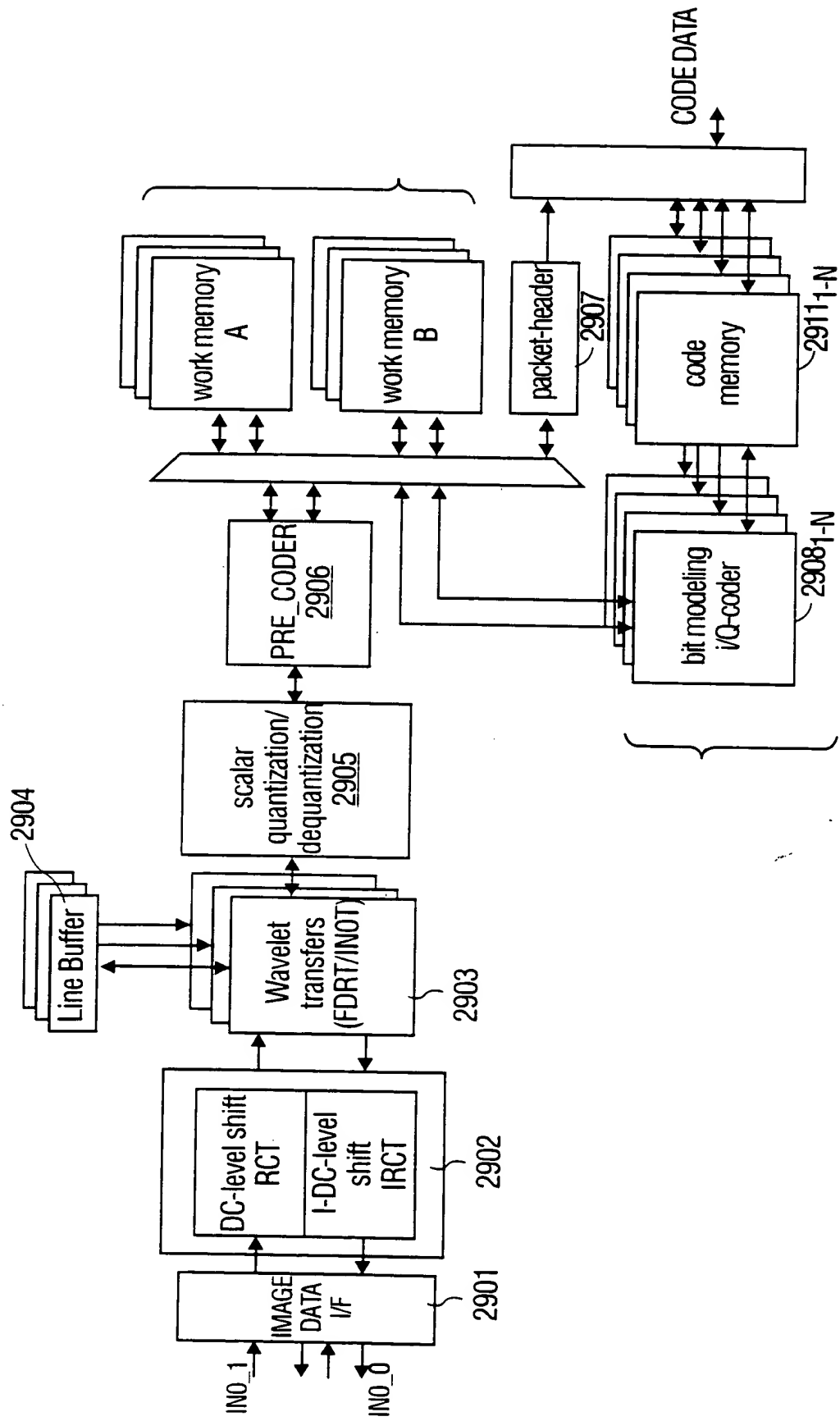


FIG. 29

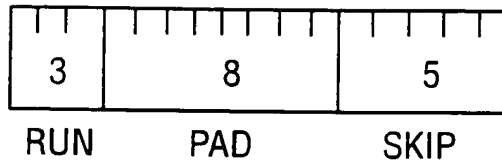


FIG. 30

8x8 region

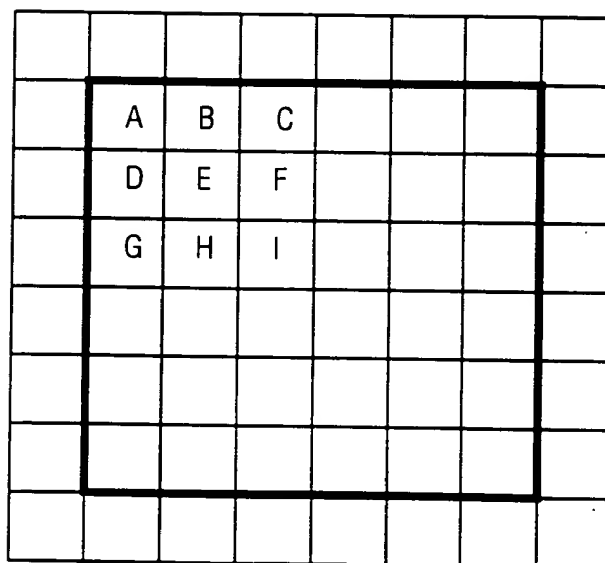


FIG. 31

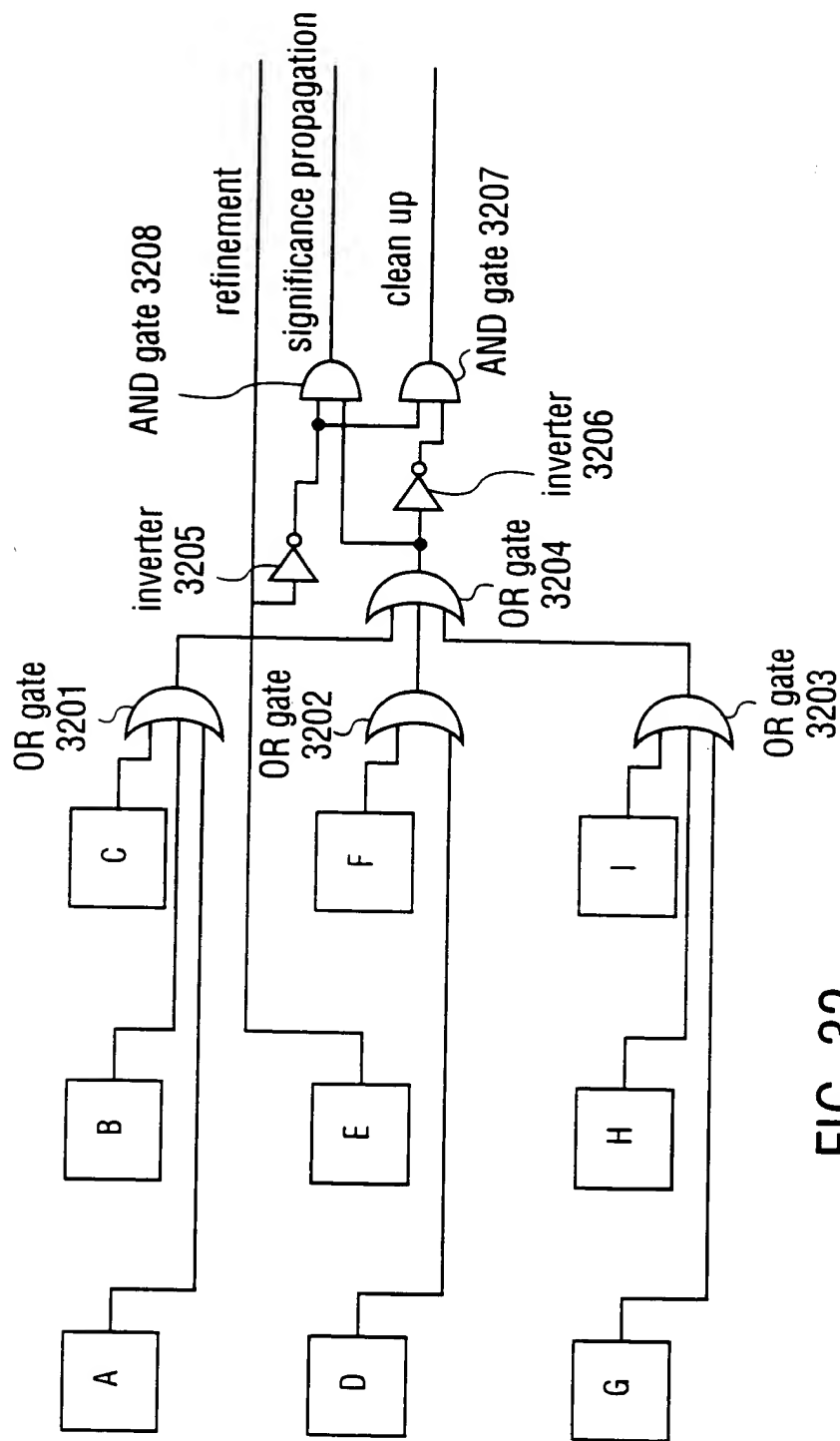


FIG. 32